

CLAIMS:

1. A fuel cell vehicle equipped with a power control unit which converts power supplied from a fuel cell and supplies that converted power to a load, wherein high voltage wiring, which connects at least one of the fuel cell and the load to the power control unit, is provided on one side of either the left or the right side of a vehicle, and a fuel line for supplying a fuel gas to the fuel cell is provided on the other side of the vehicle, which is opposite the side on which the high voltage wiring is provided.
2. The fuel cell vehicle according to claim 1, wherein the power control unit includes a connector for connecting the high voltage wiring to the power control unit, and the connector is arranged in the longitudinal direction of the vehicle facing the one side.
3. The fuel cell vehicle according to claim 1 or 2, wherein the vehicle includes a fuel supply source which supplies the fuel gas to the fuel cell, and the connector of the power control unit is positioned on the opposite side of the vehicle, in the lateral direction of the vehicle, from the location where the fuel supply source and the fuel line are connected.
4. The fuel cell vehicle according to claim 3, wherein the fuel supply source includes a vessel in which the fuel gas is stored.
5. The fuel cell vehicle according to claim 4, wherein the vessel is a hydrogen gas tank.
6. The fuel cell vehicle according to any one of claims 1 to 5, wherein the power control unit is enclosed in a case, and the case is generally L-shaped or T-shaped.
7. The fuel cell vehicle according to any one of claims 1 to 6, further comprising:
a first frame and a second frame, both of which extend in the longitudinal

direction of the vehicle, and wherein the high voltage wiring is provided along the first frame and the fuel line is provided along the second frame.

8. The fuel cell vehicle according to claim 7, wherein the high voltage wiring and
5 the fuel line are provided between the first frame and the second frame.

9. The fuel cell vehicle according to any one of claims 1 to 8, further comprising:
a third frame provided at a front portion of the vehicle that extends in the lateral
direction of the vehicle;

10 a fourth frame provided at a rear portion of the vehicle that extends in the lateral
direction of the vehicle, and wherein

the high voltage wiring and the fuel line are provided between the third frame
and the fourth frame.

15 10. The fuel cell vehicle according to claim 9, wherein the fuel supply source, the
fuel cell, the load, and the power control unit are arranged surrounded by the first frame,
the second frame, the third frame, and the fourth frame.

20 11. The fuel cell vehicle according to any one of claims 1 to 10, wherein the high
voltage wiring and the fuel line are provided spaced apart from one another.

12. A fuel cell vehicle equipped with a power control unit which converts power
supplied from a fuel cell and supplies the converted power to a load, wherein the fuel cell,
the power control unit, and a fuel supply source that supplies a fuel gas to the fuel cell are
25 provided under a floor of a vehicle cabin, and a fuel line that connects the fuel cell to the
fuel supply source and electrical wiring that connects the fuel cell to the power control
unit are provided spaced apart from one another in the lateral direction of the vehicle.

13. The fuel cell vehicle according to claim 12, wherein the fuel cell, the power

control unit, and the fuel supply source are arranged in that sequence from the front of the vehicle.

14. The fuel cell vehicle according to claim 13, further comprising:

5 power storing means, and wherein the fuel cell, the power control unit, the power storing means, and the fuel supply source are arranged in that sequence from the front of the vehicle.

15. The fuel cell vehicle according to claim 14, wherein the fuel supply source
10 includes a vessel in which the fuel gas is stored.

16. The fuel cell vehicle according to claim 15, wherein the vessel is a hydrogen vessel in which hydrogen is stored.

15 17. A fuel cell vehicle comprising:

a fuel cell;

a load;

a power control unit which converts power supplied from the fuel cell and supplies that converted power to the load;

20 high voltage wiring, which connects at least one of the fuel cell and the load to the power control unit, the high voltage wiring being provided on one side of either the left or the right side of a vehicle; and

a fuel line for supplying a fuel gas to the fuel cell, the fuel line being provided on the other side of the vehicle, which is opposite the side on which the high voltage
25 wiring is provided.

18. A fuel cell vehicle comprising:

a fuel cell provided under a floor of a vehicle cabin;

a power control unit provided under the floor of the vehicle cabin, which

converts power supplied from the fuel cell and supplies that converted power to a load;

a fuel supply source provided under the floor of the vehicle cabin, which supplies a fuel gas to the fuel cell;

a fuel line which connects the fuel cell with the fuel supply source; and

5 electrical wiring which is provided spaced apart, in the lateral direction of the vehicle, from the fuel line, and which connects the fuel cell with the power control unit.